

OLYMPIC NATIONAL PARK

PUBLIC USE REPORTING AND COUNTING INSTRUCTIONS

Following are detailed instructions for collecting and reporting data to be entered on Form 10-157, Revised, Monthly Public Use Report by **Olympic National Park**. These instructions are effective the date of issuance and will continue in effect unless changed by amendment or by memorandum from the Socio-Economic Studies Division to the superintendent approving a requested change.

Each item below describes the procedures to be followed in collecting public use data and summarizing the various elements of those data for entry on the corresponding line on the 10-157, Monthly Public Use Report.

Recreation Visits

Lake Crescent District

1. An inductive loop traffic counter is located on the westbound lane of U.S. Highway 101. The traffic count from the westbound lane is multiplied by two to estimate the number of vehicles traveling both east and westbound. The adjusted traffic count is multiplied by the recreational proportion multiplier (Table 1) to determine the number of vehicles entering the park for recreation use. The recreation vehicles are multiplied by the persons-per-vehicle (PPV) multiplier of 2.6.
2. An inductive loop traffic counter is located on the eastbound lane of North Shore Road. The traffic count is multiplied by the PPV multiplier of 2.6.
3. An inductive loop traffic counter is located on the northbound lane of East Beach Road. The traffic count is multiplied by two to estimate the number of vehicles traveling both north and southbound. The adjusted traffic count is multiplied by the recreational proportion multiplier (Table 1) to determine the number of vehicles entering the park for recreation use. The recreation vehicles are multiplied by the PPV multiplier of 2.6.
4. An inductive loop traffic counter is located on the northbound lane of Soleduck entrance road. The traffic count is reduced by the number of visitors staying over night at the Log Cabin Resort, Soleduck Resort, Soleduck Resort Campground, and the Soleduck campground. The reduced traffic count is multiplied by the PPV multiplier of 2.6.

Table 1
Recreational Vehicle Proportion Multipliers by Month

MONTH	% of Recreation Vehicles
JANUARY, FEBRUARY, MARCH, APRIL, NOVEMBER, DECEMBER	20%
MAY, JUNE, JULY	40%
AUGUST	80%
SEPTEMBER	40%
OCTOBER	30%

Hoh District

An inductive loop traffic counter is located on the entrance lane, west of the entrance station. The traffic count is multiplied by the PPV multiplier of 2.6.

Mora District

1. An inductive loop traffic counter is located on Mora entrance road, 100 yards east of the entrance station. The traffic count is multiplied by the PPV multiplier of 2.6. This is the number of visitors to Rialto Beach.
2. The number of visitors to Rialto Beach is multiplied by 0.75 to estimate the number of visitors to 2nd and 3rd beaches.
3. The number of visitors to Rialto Beach is multiplied by 0.07 to estimate the number of visitors to Oil City.

Kalaloch District

1. An inductive loop traffic counter is located across the road at the entrance to Ruby Beach parking area. The traffic count is multiplied by the expansion multiplier (Table 2) to estimate the number of vehicles that enter beach areas at Kalaloch that do not enter Ruby Beach parking area. The estimated vehicle count is multiplied by the PPV multiplier of 2.6 to determine the number of trail users.
2. A pneumatic tube traffic counter is located across Queets access road. The traffic count is divided by two to adjust for axle counts and vehicles

entering/exiting the unit. The adjusted traffic count is multiplied by the PPV multiplier of 2.6.

3. The number of overnight stays at Kalaloch Campground.
4. The number of overnight stays at South Beach Campground.
5. The number of overnight stays at Kalaloch Group Campground.
6. The number of overnight stays at Kalaloch Lodge.
7. The number of overnight stays in the backcountry.

Table 2
Trail Use Expansion Multipliers by Month

MONTH	ADJUSTMENT FACTOR
JANUARY	2.1
FEBRUARY	1.8
MARCH	1.5
APRIL	1.3
MAY	2.1
JUNE	2.3
JULY	1.8
AUGUST	2.5
SEPTEMBER	2.4
OCTOBER	2.4
NOVEMBER	2.1
DECEMBER	1.9

Elwha District

An inductive loop traffic counter is located on the entrance lane to Elwha. The traffic count is reduced for non-recreation vehicles (200 per month). The reduced traffic count is multiplied by the PPV multiplier of 2.6.

Hoodsport District

1. An inductive loop traffic counter is located on the exit lane, adjacent to the Staircase Ranger Station. The traffic count is multiplied by the PPV multiplier of 2.6.
2. A pneumatic tube counter is located across the road, at the entrance to Dosewallips. The traffic count is divided by four (4) to reduce for entering, exiting, and axle counting. The reduced traffic count is multiplied by the PPV multiplier of 2.6.
3. The number of trail visitors at Lake Constance, Dosie Falls, Shady Lane, Rapids Loop, Wagon Wheel, and North Fork Skokomish.

Hurricane District

1. An inductive loop traffic counter is located on the entrance lane to the unit at the fee collection station. The traffic count is reduced for non-recreation vehicles (300 per month). The reduced traffic count is multiplied by the PPV multiplier of 2.6.
2. Traffic counts are estimated by park staff at Deer Park. The traffic count is multiplied by the PPV multiplier of 2.6.
3. The number of visitors that enter the Olympic Park Visitor Center is multiplied by .25 for duplicate reporting.

Ozette District

1. An inductive loop counter is located across the entrance lane east of the Ozette Ranger Station. The traffic count is reduced for non-recreation vehicles. The reduced traffic count is multiplied by the PPV multiplier of 2.6.
2. Shi-Shi Beach is estimated by multiplying the number of backcountry overnight stays by 1.33. This estimates the number of day users not issued permits.

Quinault District

1. A pneumatic tube traffic counter is located on the entrance lane of North Shore Road north of the Quinault Ranger Station. The traffic count is reduced for non-reportable vehicles (20 per month). The reduced traffic count is multiplied by the PPV multiplier of 2.6.

Non-recreation Visits

Lake Crescent District

1. An inductive loop traffic counter is located on the westbound lane of U.S. Highway 101. The traffic count is multiplied by the non-recreational proportion multiplier (Table 3) to determine the number of vehicles entering the park for non-recreation use. The non-recreation vehicles are multiplied by the PPV multiplier of 2.6.
2. An inductive loop traffic counter is located on the northbound lane of East Beach Road. The traffic count is multiplied by two to estimate the number of vehicles traveling both north and southbound. The adjusted traffic count is multiplied by the non-recreational proportion multiplier (Table 3) to determine the number of vehicles entering the park for non-recreation use. The non-recreation vehicles are multiplied by the PPV multiplier of 2.6

Table 3
Non-recreational Vehicle Proportion Multipliers by Month

MONTH	% of Non-recreation Vehicles
JANUARY, FEBRUARY, MARCH, APRIL, NOVEMBER, DECEMBER	80%
MAY, JUNE, JULY	60%
AUGUST	20%
SEPTEMBER	60%
OCTOBER	70%

Elwha District

Non-recreation visitors to Elwha are estimated as 200 per month.

Hurricane District

Non-recreation visitors are estimated as 300 per month.

Ozette District

The estimated number of non-recreation vehicles (logging activities) per month.

Quinault District

Non-recreation visitors to Quinault are estimated as 1100 per month.

Recreation Visit Hours

Recreation Visitor Hours are the sum obtained from the subtotals of each of the categories/groups listed below. Each subtotal is the result of multiplying the number of visits associated with each category/group by its length-of-stay multiplier.

Lake Crescent District

1. The number of recreation visitors on U.S. Highway 101 and East Beach Road is multiplied by thirty minutes (.5 hour).
2. The number of visitors entering on North Shore Road is multiplied by two (2.0) hours.
3. The number of day use visitors (all vehicle entries minus the overnight stays) at Soleduck is multiplied by twelve (12.0) hours.
4. The number of picnic users (La Poel and East Beach) is multiplied by two (2.0) hours.
5. The number of day hikers is multiplied by two (2.0) hours.
6. The number of visitors to Storm King Visitor Center is multiplied by thirty minutes (0.5) hour.
7. The number of overnight stays (NPS Campgrounds, NPS Concessions, and NPS Backcountry) is multiplied by twelve (12.0) hours.

Hoh District

1. The number of overnight stays at Hoh Campground is multiplied by twelve (12.0) hours.
2. The number of backcountry overnight stays is multiplied by twenty-four (24.0) hours.
3. The number of picnic users is multiplied by two (2.0) hours.
4. The number of visitors entering the park is multiplied by twenty minutes (0.33) hour.
5. The number of trail users is multiplied by two (2.0) hours.
6. The number of visitors entering the visitor center is multiplied by thirty minutes (0.5) hours.

Mora District

1. The number of visitors entering at Rialto Beach, Second and Third Beach, and Oil City is multiplied by ten minutes (0.17) hour.
2. The number of visitors to Rialto Beach is multiplied by 0.05 to estimate the number of picnic users. The picnic users are multiplied by two (2.0) hours.
3. The number of overnights stays is multiplied by twenty-four (24.0) hours.
4. The number of backcountry overnight stays is subtracted for the total number of visits to Rialto Beach, Second and Third Beach, and Oil City Beach. This subtotal estimates the number of trail day users. The number of trail users is multiplied by four (4.0) hours.

Kalaloch District

1. The number of overnight stays is multiplied by twenty-three (23.0) hours.

2. The number of visitors using Queets access road and Forest Service access road is multiplied by six (6.0) hours.
3. The number of trail users (Ruby Beach) is multiplied by one (1.0) hour.

Elwha District

1. The number of visitors entering on Elwha Road is multiplied by one (1.0) hour.
2. The number of trail users is multiplied by four (4.0) hours.
3. The number of overnight stays is multiplied by twenty-four (24.0) hours.

Hoodsport District

1. The number of NPS Campground overnight stays at Staircase is multiplied by twenty-four (24.0) hours per overnight stay.
2. The number of NPS Campground overnight stays at Dosewallips is multiplied by twenty-four (24.0) hours per overnight stay.
3. The number of backcountry overnight visitors is multiplied by twenty-four (24.0) hours per overnight stay.
4. The number of visitors using the roads at Staircase and Dosewallips is multiplied by three (3.0) hours.
5. The number of trail users is multiplied by three hours.
6. The number of visitors to Hoodsport visitor center is multiplied by thirty minutes (0.5 hour).

Hurricane District

1. The number of visitors using the roads at Fee Collection Station and Deer Park is multiplied by three hours and thirty minutes (3.5).
2. The number of trail users is multiplied by three hours and thirty minutes (3.5)

hours).

3. The number of visitors to Olympic Park Visitor Center is multiplied by thirty minutes (.5 hour).
4. The number of backcountry overnight visitors is multiplied by twenty-four (24.0) hours per overnight stay.
5. The number of NPS Campground visitors is multiplied by twelve (12.0) hours per overnight stay.
6. The number of picnic users is multiplied by two (2.0) hours.

Ozette District

1. The number of NPS Campground overnight stays is multiplied by sixteen (16.0) hours per overnight stay.
2. The number of backcountry overnight visitors is multiplied by twenty-four (24.0) hours per visitor.
3. The number of visitors (minus overnight stays and picnic users) using the entrance road is multiplied by two (2.0) hours.
4. The number of trail users (Shi-Shi Beach and Ozette trail) is multiplied by eight (8.0) hours.
5. The number of picnic users is multiplied by two (2.0) hours.

Quinault District

1. The number of NPS Campground overnight stays is multiplied by eighteen (18.0) hours per overnight stay.
2. The number of backcountry overnight visitors is multiplied by thirty-six (36.0) hours per visitor.
3. The number of visitors using North and South Shore roads is multiplied by four (4.0) hours.
4. The number of trail users (North Fork and others) is multiplied by two hours.
5. The number of visitors to Quinault visitor center is multiplied by one (1.0) hour.

Non-recreation Visitor Hours

Lake Crescent District

1. The number of non-recreation visitors on East Beach Road is multiplied by thirty minutes (.5 hour).
2. The number of non-recreation visitors on U.S. Highway 101 is multiplied by fifteen minutes (.25 hour).

Elwha District

Non-recreation visitor hours are estimated as 3000 per month.

Hurricane District

Non-recreation visitor hours are estimated as 3000 per month.

Quinault District

The number of non-recreation visits is multiplied by two (2.0) hours per visit.

Ozette District

The number of non-recreation visits is multiplied by fifteen minutes (0.25) hour.

Overnight Stays

Lake Crescent District

Concessionary Lodging - Lake Crescent Lodge, Log Cabin Resort, and Sol Duc Resort

The number of visitors staying overnight as reported by the concessionary.

Concessionary Campgrounds - Log Cabin Resort and Sol Duc Resort

The number of visitors staying overnight as reported by the concessionary.

NPS Campgrounds - Soleduck and Fairholm

The number of tent or recreational vehicles (RV) sites occupied is multiplied by the persons-per-site (PPS) multiplier of 2.6.

NPS Backcountry - Miscellaneous sites

The number of visitors is multiplied by the number of nights stayed as determined by permits issued.

Hoh District

NPS Campgrounds - Hoh

The number of tent or RV sites occupied is multiplied by the PPS multiplier of 2.6.

NPS Backcountry - Miscellaneous sites

The number of visitors is multiplied by the number of nights stayed as determined by permits issued.

Mora District

NPS Campgrounds - Mora

The number of tent or RV sites occupied is multiplied by the PPS multiplier of 2.6.

NPS Backcountry - Miscellaneous sites

The number of visitors is multiplied by the number of nights stayed as determined by permits issued.

NPS Miscellaneous - Mora Group Campground

The number of group campers is multiplied by the number of nights stayed.

Kalaloch District

Concessionary Lodging - Kalaloch Lodge

The number of visitors staying overnight as reported by the concessionary.

NPS Campgrounds - North Beach and South Beach

The number of tent or RV sites occupied, is multiplied by the PPS multiplier

of 2.6.

NPS Backcountry - Miscellaneous sites

The number of visitors is multiplied by the number of nights stayed as determined by permits issued.

NPS Miscellaneous - Kalaloch Group Campground

The number of group campers is multiplied by the number of nights stayed.

Elwha District

NPS Campgrounds - Altair and Elwha

The number of tent or RV sites occupied is multiplied by the PPS multiplier of 2.6.

NPS Backcountry - Miscellaneous sites

The number of visitors is multiplied by the number of nights stayed as determined by permits issued.

Hoodsport District

NPS Campgrounds - Dosewallips and Staircase

The number of tent or RV sites occupied is multiplied by the PPS multiplier of 3.85.

NPS Backcountry - Misc. sites

The number of visitors is multiplied by the number of nights stayed as determined by permits issued.

Hurricane District

NPS Campgrounds - Heart O' the Hills and Deer Park

The number of tent or RV sites occupied, is multiplied by the PPS multiplier of 3.85.

NPS Backcountry - Miscellaneous sites

The number of visitors is multiplied by the number of nights stayed as determined by permits issued.

Ozette District

NPS Campgrounds - Ozette

The number of tent sites and RV sites occupied, is multiplied by the PPS multiplier of 2.6.

NPS Backcountry - Miscellaneous sites

The number of visitors is multiplied by the number of nights stayed as determined by permits issued.

NPS Miscellaneous - Ozette

The number of group campers is multiplied by the number of nights stayed.

Quinault District

NPS Campgrounds - North Fork, July Creek, Graves Creek

The number of tent or RV sites occupied is multiplied by the PPS multiplier of 2.6.

NPS Backcountry - North Fork and Enchanted Valley

The number of visitors is multiplied by the number of nights stayed as determined by permits issued.

Special Use Data

- Line a. The number of visitors to Lake Crescent District
- Line b. The number of visitors to Mora District
- Line c. The number of visitors to Elwha District
- Line d. The number of visitors to Hurricane District
- Line e. The number of visitors to Quinault District
- Line f. The number of visitors to Hoh District
- Line g. The number of visitors to Kalaloch District
- Line h. The number of visitors to Hoodspport District
- Line i. The number of visitors to Ozette District